

Title (en)

Device for longitudinally folding superposed webs.

Title (de)

Vorrichtung zum Längsfalzen übereinanderliegender Bahnen.

Title (fr)

Dispositif pour plier longitudinalement des bandes superposées.

Publication

**EP 0170961 A1 19860212 (DE)**

Application

**EP 85109102 A 19850720**

Priority

DE 3429172 A 19840808

Abstract (en)

[origin: US4605210A] A plurality of folding stages, in which each folding stage carries out a folding operation, in steps, are provided. The folding stages each have a folding roller pair (2, 2' . . . 5, 5'), one each roller being located above, and one below the web or superposed webs (6) to be folded. The folding roller pairs, except for the first, are formed with matching groove - ridge profile. The folding roller pairs are offset, in coordinates in space, with respect to the coordinates of a first roller pair which has cylindrical shape, such that the spacing of adjacent folding stations, e.g. S1-S2, and the folding angle of the respective adjacent stations are related to the height offset of the downstream subsequent stage and the angular direction of a line passing through the centers of rotation of the respective rollers of the downstream pair in the downstream station, the relationship being so selected that the length dimension of a theoretical ridge line between adjacent stations corresponds at least approximately to the length dimension of a theoretical longitudinal line at the edge of the web between the same stations.

Abstract (de)

Zum Längsfalzen einer oder mehrerer Bahnen (6) sind hintereinander Falzwalzenpaare (2, 2' bis 5, 5') umfassende Falzstufen S2 bis S5 eingesetzt. Jedes Falzwalzenpaar (2, 2' bis 5, 5') ist mit einem Winkelprofil versehen. Um Mittel- und Randfasern, beispielsweise M', R', zwischen den einzelnen Stufen (z.B. S1, S2), gleichzuhalten, müssen bei einem vorgegebenen Abstand von Stufe zu Stufe die nachfolgenden Walzenpaare (z.B. 2, 2'), bezogen auf das vorangehende Walzenpaar (z.B. 1, 1'), höhenmäßig versetzt und die durch den gemeinsamen Mittelpunkt verlaufende Ebene bzw. Koordinate ZB) geneigt sein.

IPC 1-7

**B65H 45/08**

IPC 8 full level

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CPC (source: EP US)

**B65H 45/22** (2013.01 - EP US)

Citation (search report)

- AT 372925 B 19831125 - FERAG AG [CH]
- CH 555776 A 19741115 - POLYGRAPH LEIPZIG

Cited by

EP0413371A3; US5803891A; WO9728078A3

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**EP 0170961 A1 19860212**; **EP 0170961 B1 19871119**; DE 3429172 A1 19860213; DE 3429172 C2 19861030; DE 3561005 D1 19871223; JP S6186367 A 19860501; US 4605210 A 19860812

DOCDB simple family (application)

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